

Definitions

For purposes of this permit, the following definitions shall apply:

"Administrator" shall mean the U.S. Environmental Protection Agency, Region VIII, Regional Administrator.

"Board" shall mean the Utah Solid and Hazardous Waste Control Board.

"Director" shall mean the Director of the Utah Division of Solid and Hazardous Waste

Executive Secretary@ shall mean the Executive Secretary of the Utah Solid and Hazardous Waste Control Board

"Facility" shall mean all contiguous land, and structures, and other appurtenances, and improvements on the land at Dugway Proving Grounds.

"Hazardous Waste Constituent(s)" shall mean those substances as listed in R315-50-10 and R315-50-14.

"Operating day" shall mean any fraction of a calendar day when operating any unit under this permit.

"RCRA" shall mean the Resource Conservation and Recovery Act of 1976, as amended by HSWA in 1984.

"Reasonable Times" shall mean any operating day as defined above.

"Release" shall mean any spilling, leaking, pouring, emitting, emptying, discharging, pumping, escaping, leaching, dumping, or disposing of hazardous wastes (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous waste constituents).

"Spill" shall mean the accidental discharging, spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous wastes or materials which, when spilled, become hazardous wastes into or on any building, equipment, land, structure or water.

All definitions contained in R315-1, R315-2, R315-3, R315-8, and R315-9 are hereby incorporated, in their entirety, by reference into this permit, except that any of the definitions used above shall supersede any definition of the same term given in R315. Where terms are not defined in the regulations or the permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

ACRONYMS & ABBREVIATIONS

acfm	actual cubic feet per minute
acfm	actual cubic feet per minute
AED	atomic emission detector
AEL	airborne exposure limit
AEMPA	O-(2-aminoethyl) methylphosphonic acid
AMSL	above mean sea level
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
BDAT	best demonstrated available technology
BGS	below ground surface
BLM	Bureau of Land Management
BSTFA	bis(trimethylsilyl)trifluoroacetamide
CAICO	Chemical Accident/Incident Control Officer
CAIRA	chemical accident/incident response and assistance
CAIS	chemical agent identification sets
CASARM	Chemical Agent Standard Analytical Reference Material
CAS RN	Chemical Abstracts Registry Number
CCTV	closed-circuit television
CFR	Code of Federal Regulations
CG	phosgene
CHWSF	Central Hazardous Waste Storage Facility
COC	chain-of-custody
cP	centipoise
CPR	cardiopulmonary resuscitation
CWC	Chemical Warfare Convention
CWM	chemical warfare materiel
DA	Department of the Army
DAAMS	Depot Area Air Monitoring System
DCIS	Digital Control and Instrumentation System
DEQ	Department of Environmental Quality
DIMP	diisopropyl methylphosphonate
DIPAES	2-diisopropylaminoethyl ethyl sulfide
DIPAE-THIO	2-diisopropylaminoethylthio
ADISULFIDE	bis[2-(diisopropylamino)ethyl] disulfide
DoD	Department of Defense
DOT	Department of Transportation
DPG	U.S. Army, Dugway Proving Ground
DQO	data quality objective
EA-APG	Edgewood Area of Aberdeen Proving Ground
EDC	ethylene dichloride; 1,2-dichloroethane
EMPA	ethyl methylphosphonic acid
EPA	Environmental Protection Agency
EPDS	Emergency Personnel Decontamination Station

ACRONYMS & ABBREVIATIONS

ERDEC	Edgewood Research, Development and Engineering Center
FIRM	Flood Insurance Rate Map
FM	Field Manual
FS	sulfur trioxide-chlorosulfonic acid solution
GB	Sarin; isopropyl methylphosphonofluoridate
GB-MEA	2-aminoethyl isopropyl methylphosphonate
GC	gas chromatograph
GC/AED	gas chromatograph/atomic emission detector
GC/IRD	gas chromatograph/infrared detector
GC/MS	gas chromatograph/mass spectrometer
GC/MSD/EI	gas chromatographic/mass selective detector/electron impact
GC/TCD	gas chromatograph/thermal conductivity detector
GFC	General Fabrication Contractor
H	impure mustard; bis-(2-chloroethyl) sulfide
HAWG	Hazard Analysis Working Group
HAZWOPER	Hazardous Waste Operations and Emergency Response
HD	distilled mustard; bis-(2-chloroethyl) sulfide
HEAES	bis[2-(2-hydroxyethylamino)ethyl] sulfide
HEGA	high-efficiency gas adsorber
HEPA	high-efficiency particulate air
HETM	N-(2-hydroxyethyl)-thiomorpholine
HF	hydrogen fluoride
HS	crude mustard, bis-(2-chloroethyl) sulfide, from the ethylene/sulfur dichloride process
HT	a mustard mixture composed of H and T
HTH	high test calcium hypochlorite
HVAC	heating, ventilation, and air conditioning
HYFED	hydrogen flame emission detector
ICP/MS	inductively coupled plasma/mass spectrometry
ID	internal diameter
IMPA	isopropyl methylphosphonic acid
I/O	input/output
ISCP	Installation Spill Contingency Plan
LC/MS	liquid chromatography/mass spectrometry
LDR	land disposal restriction
LRV	liquid reactor vessel
MARB	Munitions Assessment Review Board
MCP	Monitoring Concept Plan
MDL	method detection limit
MEA	monoethanolamine
MEACHCL	monoethanolamine hydrochloride
MEACHF	monoethanolamine hydrofluoride
MEACIMP	monoethanolamine salt of isopropyl methylphosphonic acid
MEA-Q	1,2-bis[2-(2-hydroxyethylamino)ethylthio]ethane

ACRONYMS & ABBREVIATIONS

MES	methyl salicylate; wintergreen oil
MIP	Monitoring Implementation Plan
MMD-1	Munitions Management Device, Version 1
MPA	methylphosphonic acid
MSDS	material safety data sheet
MTV	munition treatment vessel
MW	molecular weight
NA	not applicable
NaAEMPA	sodium O-(2-aminoethyl) methylphosphonate
NaCl	sodium chloride
NaEMPA	sodium ethyl methylphosphonate
NaMEA	sodium 2-aminoethanoate
Na ₂ MPA	disodium methylphosphonate
NaOH	sodium hydroxide
NaTHIOL	sodium 2-(diisopropylamino)ethanethiolate
NaCO ₃	sodium carbonate
NEIC	National Enforcement Investigation Center
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NMP	N-methylpyrrolidone
NMR	nuclear magnetic resonance
NRT	near real-time
NSCM	non-stockpile chemical materiel
NSCMP	Non-Stockpile Chemical Materiel Program
OD	outside diameter
O&M	operations and maintenance
ORE	operational readiness evaluation
OSHA	Occupational Safety and Health Administration
PAISC	Program and Integration Support Contractor
PID	process and instrumentation diagram
PINS	portable isotopic neutron spectroscopy
PLC	programmable logic controller
PMCD	Program Manager Chemical Demilitarization (formerly USACDRA)
PMNSCM	Project Manager for Non-Stockpile Chemical Materiel
PMO	Provost Marshal's Office
PMSCM	Project Manager for Stockpile Chemical Materiel
PN-MEA	sodium N-(2-hydroxyethyl) methylphosphoramidate
ppb	parts per billion (nanograms per gram)
PPE	personal protective equipment
ppm	parts per million (micrograms per gram)
ppmv	parts per million volume
Q	a mustard analogue; 1,2-bis(2-chloroethylthio)ethane

ACRONYMS & ABBREVIATIONS

QA	Quality Assurance
QC	Quality Control
QP	quality plant
RCRA	Resource Conservation and Recovery Act
RCT	reagent charge tank
RD&D	Research, Development, and Demonstration
RSD	relative standard deviation
SBC	Small Burials Contractor, now known as Non-Stockpile Systems Contractor
SCBA	self-contained breathing apparatus
scfh	standard cubic feet per hour
SDG	standby diesel generator
SETH	Simulated Equipment Test Hardware
SHERP	Safety Health Emergency Response Plan
SOP	standing operating procedure
SPCCP	Spill Prevention Control and Countermeasure Plan
SRM	standard reference material
SSHO	Site Safety and Health Officer
ASULFIDE@	bis[2-(diisopropylamino)ethyl] sulfide
SW846	EPA=s Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (a laboratory/field manual in several volumes)
SWMU	Solid Waste Management Unit
T	bis[2-(2-chloroethylthio)ethyl] ether
TAP	toxicological agent protective
TC	Toxicity Characteristic(s)
TCLP	Toxicity Characteristic Leaching Procedure
THIOL	2-(diisopropylamino)ethanethiol
TMS	trimethylsilyl
TOC	total organic carbon
TOX	total organic halogens
TSDF	treatment, storage, and disposal facility
TWA	time-weighted average
UDEQ	Utah Department of Environmental Quality
UL	Underwriters Laboratory
UPA	unpack area
UPS	uninterruptible power supply
USACDRA	U.S. Army Chemical Demilitarization and Remediation Agency
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compounds
VX	O-ethyl S-(2-diisopropylaminoethyl) methylphosphonothioate

ACRONYMS & ABBREVIATIONS

VX/MEA	O-ethyl O=-(2-aminoethyl) methylphosphonate
WAP	Waste Analysis Plan
WG	water gauge
WM	wide mouth